

**WHAT IS CLAIMED IS:**

- 1           1. A method comprising:  
2                 performing an analysis or synthesis operation on a graphical model  
3 representation;  
4                 producing a report from the analysis or synthesis operation; and  
5                 generating associations representing elements of the graphical model  
6 representation with corresponding elements in the report.
- 1           2. The method of claim 1 in which the report is a document structured with portions  
2 corresponding to different elements of the graphical model representation.
- 1           3. The method of claim 2 in which the document is a structural coverage report.
- 1           4. The method of claim 2 in which the document is a code generation report  
2 incorporating syntax highlighted code.
- 1           5. The method of claim 2 in which the document is a profiling report that documents  
2 relative execution times of each of the elements.
- 1           6. The method of claim 1 further comprising loading an element in the report in  
2 response to activating a graphical object on the graphical model representation.
- 1           7. The method of claim 6 in which activating is a computer mouse action.
- 1           8. The method of claim 1 in which the associations are markup language tags.
- 1           9. The method of claim 8 in which the markup language tags are hypertext markup  
2 language (HTML) tags.
- 1           10. The method of claim 1 in which the report is a model coverage report.
- 1           11. The method of claim 1 in which the report is a generated code report.
- 1           12. A system comprising:

2 means for performing an analysis or synthesis operation on a graphical model  
3 representation;

4 means for producing a report from the analysis or synthesis operation; and

5 means for generating associations representing elements of the graphical  
6 model representation with corresponding elements in the report.

1 13. The system of claim 12 further comprising means for loading an element in the  
2 report in response to activating one of the graphical model elements.

1 14. The system of claim 12 in which the report is a document structured with portions  
2 corresponding to different elements of the graphical model representation.

1 15. The system of claim 14 in which the document is a structural coverage report.

1 16. The system of claim 14 in which the document is a code generation report  
2 incorporating syntax highlighted code.

1 17. The system of claim 14 in which the document is a profiling report that  
2 documents relative execution times of each of the elements.

1 18. The system of claim 12 in which the associations are markup language tags.

1 19. The system of claim 18 in which the markup language tags are hypertext markup  
2 language (HTML) tags.

1 20. The system of claim 18 in which the markup language tags are portable document  
2 format (PDF) embedded links.

1 21. The system of claim 12 in which the report is a model coverage report.

1 22. The system of claim 12 in which the report is a generated code report.

1 23. A computer program product residing on a computer readable medium having  
2 instructions stored thereon which, when executed a processor, cause the processor to:

3 perform an analysis or synthesis operation on a graphical model  
4 representation;

5                    produce a report from the analysis or synthesis operation; and  
6                    generate associations representing elements of the graphical model  
7 representation with corresponding elements in the report.

1                    24. The product of claim 23 further having instructions to cause the processor to:  
2                    load an element in the report in response to activating a graphical object in the  
3 graphical model representation.